

What is claimed is:

1. A golf ball having a paint film on the surface of the golf ball body,

5 wherein the paint film has a thickness of 6 μ m to 13 μ m;

the paint film contains a base resin made by curing an aqueous polyol and a polyisocyanate; and

10 the aqueous polyol has hydroxyl value of from 50 mgKOH/g to 100 mgKOH/g (exclusive) and a weight average molecular weight of 4,000 to 20,000.

2. The golf ball according to claim 1, wherein the aqueous polyol is at least one selected from the
15 group consisting of an aqueous urethane polyol, an aqueous acrylic polyol, an aqueous polyester polyol, and an aqueous alkyd resin.

3. The golf ball according to claim 2, wherein
20 the aqueous polyol is the aqueous polyester polyol.

4. A golf ball paint comprising two-component curing type urethane paint,

wherein the urethane paint includes
25 an aqueous polyol having hydroxyl value of from

50 mgKOH/g to 100 mgKOH/g (exclusive) and a weight average molecular weight of 4,000 to 20,000, and a polyisocyanate.

5 5. The golf ball paint according to claim 4, wherein the aqueous polyol is at least one selected from the group consisting of an aqueous urethane polyol, an aqueous acrylic polyol, an aqueous polyester polyol, and an aqueous alkyd resin.

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6. The golf ball paint according to claim 5, wherein the aqueous polyol is the aqueous polyester polyol.

15 7. The golf ball paint according to claim 6, wherein the aqueous polyester polyol has trimellitic acid and pyromellitic acid as a polybasic component.

8. The golf ball paint according to claim 4,
20 wherein the urethane paint further comprises a film forming additive.

9. The golf ball paint according to claim 8,
wherein the film forming additive is ethyleneglycol
25 monoalkylether.